

WEST**Freeform Search**

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Term:

131 and (ground\$4 with plate)

Display:

50

Documents in Display Format:

CIT

Starting with Number

1

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Today's Date: 11/1/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	131 and (ground\$4 with plate)	18	<u>L32</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	13 and (coupl\$5)	4485	<u>L31</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	129 and (antenna with (element or segment or plurality))	49	<u>L30</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	123 not 125	369	<u>L29</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	126 and 121	4	<u>L28</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	126 and 123	1	<u>L27</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((Surface or local))[TI] AND (RESONATOR)[TI]	3021	<u>L26</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	124 and 123	22	<u>L25</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(Antenna)[TI]	67612	<u>L24</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	122 not 19	391	<u>L23</u>

USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l20 and l21	401	<u>L22</u>
	((324/300 324/301 324/302 324/303 324/304 324/305 324/306 324/307 324/308 324/309 324/310 324/311 324/312 324/313 324/314 324/315 324/316 324/317 324/318 324/319 324/320 324/321 324/322)!.CCLS.)	5450	<u>L21</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	119 and ((plurality or group or multiple) with (antenna or element or segment or component))	9883	<u>L20</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	118 and (antenna or element or segment or component)	33523	<u>L19</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	117 and (plurality or group or multiple)	54097	<u>L18</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and (ring or loop or anul\$4)	57006	<u>L17</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	19 not 110	49	<u>L16</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	5153517	11	<u>L15</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	112 not 111	4	<u>L14</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	12 not 111	16518	<u>L13</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	17 and (ground\$4 with plate)	17	<u>L12</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	110 and (ground\$4 with plate)	13	<u>L11</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	19 and (parallel)	98	<u>L10</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	18 and (linear\$5)	147	<u>L9</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	17 and (connect\$4)	209	<u>L8</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	16 and (plate)	290	<u>L7</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	15 and (ground\$4)	581	<u>L6</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	14 and (coupl\$5)	2931	<u>L5</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	13 and (spoke or wheel or radi\$4)	6300	<u>L4</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	12 and (ring or loop or anul\$4)	9883	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and ((plurality or group or multiple) with (antenna, or element, or segment or component))	16531	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((magnetic adj resonance) or MRI or NMR)	120635	<u>L1</u>

OCR WEST**Freeform Search****Database:** **US OCR Full-Text Database****Term:**

12 and (ring or loop or anul\$4)

Display: **50** **Documents in** **Display Format:** **CIT** **Starting with Number** **1****Generate:** ☐ Hit List ☒ Hit Count ☐ Image

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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USOC	12 and (ring or loop or anul\$4)	32	<u>L3</u>
USOC	11 and ((magnetic adj resonance) or MRI or NMR)	57	<u>L2</u>
USOC	(antenna)	28424	<u>L1</u>

OCR WEST[Generate Collection](#)**Search Results - Record(s) 1 through 32 of 32 returned.**☐ 1. Document ID: US 3559043 A

L3: Entry 1 of 32

File: USOC

Jan 26, 1971

US-PAT-NO: 3559043

DOCUMENT-IDENTIFIER: US 3559043 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: January 26, 1971

US-CL-CURRENT: 324/316; 324/636, 333/230, 333/231

[Full](#) [Citation](#) [KWC](#) [Image](#)☐ 2. Document ID: US 3537077 A

L3: Entry 2 of 32

File: USOC

Oct 27, 1970

US-PAT-NO: 3537077

DOCUMENT-IDENTIFIER: US 3537077 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: October 27, 1970

US-CL-CURRENT: 365/45; 333/156, 365/73, 365/76, 455/18

[Full](#) [Citation](#) [KWC](#) [Image](#)☐ 3. Document ID: US 3437914 A

L3: Entry 3 of 32

File: USOC

Apr 8, 1969

US-PAT-NO: 3437914

DOCUMENT-IDENTIFIER: US 3437914 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: April 8, 1969

US-CL-CURRENT: 324/303; 324/310

[Full](#) [Citation](#) [KWC](#) [Image](#)☐ 4. Document ID: US 3411070 A

L3: Entry 4 of 32

File: USOC

Nov 12, 1968

US-PAT-NO: 3411070

DOCUMENT-IDENTIFIER: US 3411070 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: November 12, 1968

US-CL-CURRENT: 324/301; 324/322

Full	Citation	KMOC	Image
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☐ 5. Document ID: US 3403328 A

L3: Entry 5 of 32

File: USOC

Sep 24, 1968

US-PAT-NO: 3403328

DOCUMENT-IDENTIFIER: US 3403328 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: September 24, 1968

US-CL-CURRENT: 324/338

Full	Citation	KMOC	Image
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☐ 6. Document ID: US 3334224 A

L3: Entry 6 of 32

File: USOC

Aug 1, 1967

US-PAT-NO: 3334224

DOCUMENT-IDENTIFIER: US 3334224 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: August 1, 1967

US-CL-CURRENT: 246/187B; 246/122R, 246/182B

Full	Citation	KMOC	Image
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☐ 7. Document ID: US 3261982 A

L3: Entry 7 of 32

File: USOC

Jul 19, 1966

US-PAT-NO: 3261982

DOCUMENT-IDENTIFIER: US 3261982 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: July 19, 1966

US-CL-CURRENT: 307/424; 330/49, 330/56

Full	Citation	KMOC	Image
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☐ 8. Document ID: US 3242431 A

L3: Entry 8 of 32 File: USOC Mar 22, 1966
US-PAT-NO: 3242431
DOCUMENT-IDENTIFIER: US 3242431 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: March 22, 1966
US-CL-CURRENT: 375/332; 333/21R, 375/280

Full	Citation	KMOC	Image
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☐ 9. Document ID: US 3226541 A

L3: Entry 9 of 32 File: USOC Dec 28, 1965
US-PAT-NO: 3226541
DOCUMENT-IDENTIFIER: US 3226541 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: December 28, 1965
US-CL-CURRENT: 246/182A; 104/26.2, 246/122R, 246/2R, 701/20

Full	Citation	KMOC	Image
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☐ 10. Document ID: US 3182319 A

L3: Entry 10 of 32 File: USOC May 4, 1965
US-PAT-NO: 3182319
DOCUMENT-IDENTIFIER: US 3182319 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: May 4, 1965
US-CL-CURRENT: 342/146; 235/400, 89/41.07

Full	Citation	KMOC	Image
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☐ 11. Document ID: US 3182318 A

L3: Entry 11 of 32 File: USOC May 4, 1965

US-PAT-NO: 3182318
DOCUMENT-IDENTIFIER: US 3182318 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: May 4, 1965

US-CL-CURRENT: 342/146; 89/41.07

Full	Citation	KWOC	Image
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☐ 12. Document ID: US 3182317 A

L3: Entry 12 of 32

File: USOC

May 4, 1965

US-PAT-NO: 3182317
DOCUMENT-IDENTIFIER: US 3182317 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: May 4, 1965

US-CL-CURRENT: 342/146; 89/41.07

Full	Citation	KWOC	Image
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☐ 13. Document ID: US 3182313 A

L3: Entry 13 of 32

File: USOC

May 4, 1965

US-PAT-NO: 3182313
DOCUMENT-IDENTIFIER: US 3182313 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: May 4, 1965

US-CL-CURRENT: 342/109

Full	Citation	KWOC	Image
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☐ 14. Document ID: US 3117282 A

L3: Entry 14 of 32

File: USOC

Jan 7, 1964

US-PAT-NO: 3117282
DOCUMENT-IDENTIFIER: US 3117282 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: January 7, 1964

US-CL-CURRENT: 370/276; 330/4, 342/202, 375/295, 455/341

Full	Citation	KWOC	Image
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☐ 15. Document ID: US 3111559 A

L3: Entry 15 of 32 File: USOC Nov 19, 1963
US-PAT-NO: 3111559
DOCUMENT-IDENTIFIER: US 3111559 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: November 19, 1963
US-CL-CURRENT: 455/445; 379/195, 379/221

Full	Citation	KWIC	Image
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☐ 16. Document ID: US 3076192 A

L3: Entry 16 of 32 File: USOC Jan 29, 1963
US-PAT-NO: 3076192
DOCUMENT-IDENTIFIER: US 3076192 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: January 29, 1963
US-CL-CURRENT: 342/458; 342/418

Full	Citation	KWIC	Image
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☐ 17. Document ID: US 2993180 A

L3: Entry 17 of 32 File: USOC Jul 18, 1961
US-PAT-NO: 2993180
DOCUMENT-IDENTIFIER: US 2993180 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: July 18, 1961
US-CL-CURRENT: 333/1_1; 333/24_2

Full	Citation	KWIC	Image
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☐ 18. Document ID: US 2956245 A

L3: Entry 18 of 32 File: USOC Oct 11, 1960
US-PAT-NO: 2956245
DOCUMENT-IDENTIFIER: US 2956245 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: October 11, 1960
US-CL-CURRENT: 333/24_2; 333/81B

Full	Citation	KMOC	Image
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☐ 19. Document ID: US 2932365 A

L3: Entry 19 of 32

File: USOC

Apr 12, 1960

US-PAT-NO: 2932365

DOCUMENT-IDENTIFIER: US 2932365 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: April 12, 1960

US-CL-CURRENT: 187/317

Full	Citation	KMOC	Image
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☐ 20. Document ID: US 2909654 A

L3: Entry 20 of 32

File: USOC

Oct 20, 1959

US-PAT-NO: 2909654

DOCUMENT-IDENTIFIER: US 2909654 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: October 20, 1959

US-CL-CURRENT: 455/293; 330/4, 330/4.5, 331/94.1, 455/319, 455/325, 455/341

Full	Citation	KMOC	Image
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☐ 21. Document ID: US 2887664 A

L3: Entry 21 of 32

File: USOC

May 19, 1959

US-PAT-NO: 2887664

DOCUMENT-IDENTIFIER: US 2887664 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: May 19, 1959

US-CL-CURRENT: 333/1.1; 333/122, 333/24.1

Full	Citation	KMOC	Image
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☐ 22. Document ID: US 2748353 A

L3: Entry 22 of 32

File: USOC

May 29, 1956

US-PAT-NO: 2748353
DOCUMENT-IDENTIFIER: US 2748353 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: May 29, 1956

US-CL-CURRENT: 333/24_2; 324/316, 332/163, 333/1_1, 333/17_1, 333/21R, 333/22R, 333/24_3

Full	Citation	KWIC	Image
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☐ 23. Document ID: US 2735074 A

L3: Entry 23 of 32File: USOCFeb 14, 1956
US-PAT-NO: 2735074
DOCUMENT-IDENTIFIER: US 2735074 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: February 14, 1956

US-CL-CURRENT: 333/214; 313/62, 315/39_57, 315/502

Full	Citation	KWIC	Image
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☐ 24. Document ID: US 2658679 A

L3: Entry 24 of 32File: USOCNov 10, 1953
US-PAT-NO: 2658679
DOCUMENT-IDENTIFIER: US 2658679 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: November 10, 1953

US-CL-CURRENT: 235/414

Full	Citation	KWIC	Image
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☐ 25. Document ID: US 2611104 A

L3: Entry 25 of 32File: USOCSep 16, 1952
US-PAT-NO: 2611104
DOCUMENT-IDENTIFIER: US 2611104 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: September 16, 1952

US-CL-CURRENT: 315/5_12; 313/399, 315/5_33, 315/5_54

Full	Citation	KWIC	Image
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☐ 26. Document ID: US 2454094 A

L3: Entry 26 of 32

File: USOC

Nov 16, 1948

US-PAT-NO: 2454094

DOCUMENT-IDENTIFIER: US 2454094 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: November 16, 1948

US-CL-CURRENT: 331/83; 313/156, 313/62, 315/15, 315/34, 315/5, 315/5.18,
315/5.44, 331/70, 331/86, 331/99, 332/132, 332/166, 455/91

Full	Citation	KWOC	Image
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☐ 27. Document ID: US 2281405 A

L3: Entry 27 of 32

File: USOC

Jan 1, 1942

US-PAT-NO: 2281405

DOCUMENT-IDENTIFIER: US 2281405 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: January 1, 1942

US-CL-CURRENT: 455/63; 360/8, 360/89, 369/60.01, 369/7

Full	Citation	KWOC	Image
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☐ 28. Document ID: US 2064904 A

L3: Entry 28 of 32

File: USOC

Jan 1, 1936

US-PAT-NO: 2064904

DOCUMENT-IDENTIFIER: US 2064904 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: January 1, 1936

US-CL-CURRENT: 340/7.42; 334/62, 334/69, 340/7.45, 370/485, 455/16, 455/403,
455/507

Full	Citation	KWOC	Image
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☐ 29. Document ID: US 2064896 A

L3: Entry 29 of 32

File: USOC

Dec 22, 1936

US-PAT-NO: 2064896
DOCUMENT-IDENTIFIER: US 2064896 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: December 22, 1936
US-CL-CURRENT: 455/507; 379/177, 455/403

Full	Citation	KOMC	Image
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 30. Document ID: US 2025190 A

L3: Entry 30 of 32 File: USOC Dec 24, 1935
US-PAT-NO: 2025190
DOCUMENT-IDENTIFIER: US 2025190 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: December 24, 1935
US-CL-CURRENT: 370/302

Full	Citation	KBWC	Image
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31. Document ID: US 1824655 A

L3: Entry 31 of 32 File: USOC Sep 22, 1931
US-PAT-NO: 1824655
DOCUMENT-IDENTIFIER: US 1824655 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: September 22, 1931

US-CL-CURRENT: 369/12; 369/1

Full	Citation	KOMC	Image
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32. Document ID: US 1524413 A

L3: Entry 32 of 32 File: USOC Jan 27, 1925
US-PAT-NO: 1524413
DOCUMENT-IDENTIFIER: US 1524413 A
TITLE: OCR SCANNED DOCUMENT
DATE-ISSUED: January 27, 1925
US-CL-CURRENT: 370/339; 455/85

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RINGS	175536
LOOP	143506
LOOPS	64044
ANUL\$4	0
ANUL	452
ANULA	69
ANULAALS	1
ANULACTU	1
ANULAI	69
(L2 AND (RING OR LOOP OR ANUL\$4)).USOC.	32

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